CLAIMS

1. (Original) A test facility for testing a material, comprising:

a test section housing defining a first flow path and a second flow path, each flow path having upstream and downstream ends, respectively;

a conduit enclosing a portion of the first flow path for accommodation therethrough of a first fluid flow having a first temperature;

a sleeve concentric about the conduit to define an annular portion of the second flow path for accommodation therethrough of a second fluid flow having a temperature higher than the first temperature; and

a test material disposed on the conduit in contact with the annular portion.

2. (Original) The test facility of claim 1, further comprising:

a combustor section defining a combustion chamber in fluid communication with the upstream end of the second flow path and the downstream end of the first flow path,

at least one fuel injector disposed proximate the downstream end of the first flow path and proximate the upstream end second flow path.

3. (Original) The test facility of claim 2, further comprising:

a source of compressed fluid coupled to the test section at the upstream end of the first flow path; and

an exhaust channel coupled to the downstream end of the second flow path.

4. (Original) The test facility of claim 3, further comprising:

a heat exchanger disposed in the exhaust channel in thermal communication with the source of compressed fluid.

5. (Original) The test facility of claim 3, further comprising:

an exhaust valve and silencer coupled to the exhaust channel.

6. (Original) The test facility of claim 1,

wherein the first fluid flow is oriented along an axis in a first direction and the second fluid flow is oriented along the axis in a direction opposite the first direction.

7. (Original) The test facility of claim 1,

wherein the sleeve defines a plurality of channels for accommodation therethrough of a fluid coolant.

8. (Cancelled)

9. (Cancelled)

10. (Original) The test facility of claim 1,

wherein the conduit comprises a first plurality of serially connected longitudinal pipe sections.

Claims 11-28. (Cancelled)